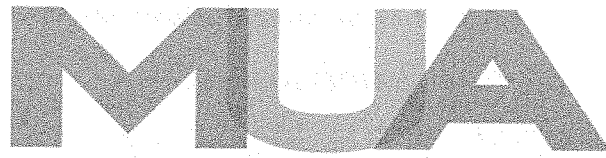


The
Management
University
of Africa



Sponsored by the Kenya Institute of Management

UNDERGRADUATE UNIVERSITY EXAMINATIONS

SCHOOL OF MANAGEMENT AND LEADERSHIP

DEGREE OF BACHELOR OF ARTS IN DEVELOPMENT STUDIES

BDS 409: ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE: 20TH DECEMBER 2016

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the Case Study below carefully and, answer the questions that follow:

CURRENT ENVIRONMENTAL ISSUES

Our country has made rapid strides in different sectors like Information technology, space and nuclear research, general Engineering and automobiles and agriculture in the last 5 decades after independence. Rapid industrialization and urbanization coupled with population explosion has put a great stress on our environment. Rural India encounters environmental problems in the form of deforestation, soil erosion, water pollution and land degradation and Indian cities are faced with severe environmental stresses like air and water pollution, burgeoning solid and biomedical waste.

Bhopal gas tragedy ironically served as an eye opener for environmental awareness and activism in India. The Environment Protection Act was passed in 1986, creating the Ministry of Environment and Forests (MoEF) and strengthening India's commitment to the environment. The MoEF has the overall responsibility for administering and enforcing environmental laws and policies. Integrating developmental activities with environmental requirements has become a policy emphasis of the MoEF. As per the UNEP mandate (United Nations Environment Programme) the state of the environment report prepared by government of India broadly covers the five priority issues pertaining to the environment. These five priorities environmental issues identified at country level are: (1) Land degradation; (2) Biodiversity; (3) Air pollution with special reference to vehicle pollution in cities; (4) Management of fresh water resources; (5) Hazardous waste management with special reference to municipal solid waste management.

Required:

- a) Describe any five (5) root causes of resource problems (10marks)

- b) Identify any four (4) major types of environmental health hazards and explain the goals of environmental health in relation to water and air pollution

(8marks)

- c) Explain seven (7) human interaction with the environmental resources

(7 marks)

QUESTION TWO

- a) Explain five (5) role of management in environmental resources. (10 marks)

- b) Describe the importance of Air as the basic health requirement of human life

(5 marks)

QUESTION THREE

- a) Explain the term protected areas

(3 marks)

- b) State the meaning of sustainable development

(3marks)

- c) Discuss the three (3) principles dimensions of environmental planning

(9marks)

QUESTION FOUR

- a) Describe any five (5) social aspect as one of the key aspects used to designate an area as protected (10 marks)

- b) Environmental planning has to take care of solid waste, Mention five (5) ecological impacts of solid wastes. (5 marks)

QUESTION FIVE

- a) Define biodiversity

(2 marks)

- b) Describe any four (4) need to conserve biodiversity

(8 marks)

- c) Describe five (5) major sources of solid wastes

(5 marks)

QUESTION SIX

- a) Explain three (3) options of natural resource management (9 marks)
- b) Explain three (3) reasons why renewable resources are preferred over non-renewable natural resources (6 marks)